

NFPA 1010: 2024 Edition, Chapter 9 Land-Based Marine Firefighter

Below please find what has been previously approved by the Committee on Accreditation (COA) for this level of certification. This example does not take into consideration “Document Review”, “Portfolio”, or “Other testing methods.”

If your agency selects completing their online Assessment Methodology Matrix (AMM) utilizing these test methods, our Technical Analysts may place your application under a COA meeting consent agenda bypassing the usual COA review.

The spaces identified below with an “**X**” must be replaced with the appropriate cognitive test item numbers (e.g. Questions 1,4,6,7,9, etc.) or the score sheet numbers under Product, Psychomotor/Process methods as score sheet numbers (e.g.- SS 101, 202, and 304, etc.).

If an asterisk (*) appears next to an **X**, this indicates the JPR, RK, or RS on that line may be fulfilled by either method.

	Knowledge-Based Assessments		Performance-Based Assessments	
	(graded after submission)		(graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
9.1				
<p>For qualification as a land-based marine firefighter, the candidate shall meet the requirements defined in Chapter 7 (or Chapter 6 of NFPA 1081).</p> <p>(FOR THIS SECTON ONLY, PLEASE WRITE "ACKNOWLEDGE" IN THE "OTHER" COLUMN)</p>				
9.1				
9.2.1				
<p>Transmit and receive messages via marine facility and vessel communications equipment, given marine facility and vessel communications equipment and standard operating procedures, so that the information is accurate, complete, clear, and relayed within the time established by the authority having jurisdiction (AHJ).</p>				

9.2.1			X
(A) Requisite Knowledge. Marine communications terminology and procedures; proper marine radio frequencies to be used; types and capabilities of vessel communications systems; methods for overcoming language barriers.			
9.2.1 (A)	X		
(B) Requisite Skills. Operating marine facility and vessel communications systems; operating marine radios.			
9.2.1 (B)			X
9.2.2 Locate a marine facility or vessel representative, given a marine facility or vessel and an assignment, so that a line of communication is established between the fire department and the facility or vessel representatives.			
9.2.2			X
(A)* Requisite Knowledge. Locations on a vessel where the ship's master, mate, engineer, or ship's agent can be located; marine frequencies monitored by the vessel master; locations where facility representatives are normally located; methods for contacting representatives after normal working hours.			
9.2.2 (A)	X		
(B) Requisite Skills. Operating marine facility and vessel communications equipment; boarding the vessel; negotiating or traveling through the facility or vessel.			
9.2.2 (B)			X
9.2.3 Transmit and receive messages to vessel personnel and other agencies responding to an incident, given an incident, a list of the other agencies responding to the incident, communications equipment, and standard operating procedures, so that the information is accurate, complete, clear, and relayed within the time established by the AHJ.			
9.2.3			X

(A) Requisite Knowledge.

Marine communications terminology and procedures; proper marine radio frequencies to be used; land-based frequencies used in mutual aid situations; other agencies that respond to marine incidents.

[9.2.3 \(A\)](#)

X

(B) Requisite Skills.

Operating vessel and mobile communications systems, marine radios, and fire department communications equipment.

[9.2.3 \(B\)](#)

X

9.2.4

Control access to a vessel, given a vessel, an incident, an accountability system, an incident management system, and response personnel, so that all emergency responders boarding the vessel are noted and accounted for.

[9.2.4](#)

X

(A) Requisite Knowledge.

The accountability systems used by the AHJ; knowledge of personnel who are authorized to operate at a marine incident.

[9.2.4 \(A\)](#)

X

(B) Requisite Skills.

Using accountability tactical worksheets.

[9.2.4 \(B\)](#)

X

9.2.5

Evacuate a vessel or exposure, given an occupied vessel or exposure, an incident, an accountability system, an incident management system, and response personnel, so that all personnel are removed from the hazard area to an area of refuge.

[9.2.5](#)

X

(A) Requisite Knowledge.

Vessel evacuation and accountability procedures used by the AHJ.

9.2.5 (A)	X		
(B) Requisite Skills. Controlling, directing, and moving passengers and crew.			
9.2.5 (B)			X
9.3.1 Identify marine vessel types and potential products transported given general information on the vessel types in the local response jurisdiction, awareness level information on products transported by marine vessels, AHJ policies and procedures, and overall scene safety considerations at marine incidents so that the scene of the incident and the hazards are recognized.			
9.3.1			X
(A) Requisite Knowledge. Generalized marine vessel types; awareness level hazardous product information; general hazard classes of product and structural firefighting PPE compatibilities; policies and procedures associated with marine incident response.			
9.3.1 (A)	X		
(B) Requisite Skills. Reading comprehension and oral communication skills.			
9.3.1 (B)			X
9.3.2 Define common marine vessel construction and terminology given vessel construction terminology, marine vessel terminology and general structural hazards associated with marine vessels so that the land-based marine firefighter has a working knowledge of general terms when communicating with marine vessel personnel.			
9.3.2			X
(A) Requisite Knowledge. General knowledge of marine vessel construction, marine vessel terminology, structural hazards with marine vessels.			
9.3.2 (A)	X		

(B) Requisite Skills.

Reading comprehension and oral communication skills.

[9.3.2 \(B\)](#)

X

[9.3.3*](#)

Board a marine vessel, given a vessel, gangway, approved PPE, water survival techniques, approved hand tools and suppression equipment, and AHJ policies and procedures, so that the land-based marine firefighter is transferred to the vessel in a safe manner.

[9.3.3](#)

X

(A) Requisite Knowledge.

Effect of vessel movement due to tide, wakes, currents, or other factors; effect of water depth; water survival techniques; and draft for gangways.

[9.3.3 \(A\)](#)

X

(B) Requisite Skills.

Donning approved PPE; carrying tools and equipment in a proper and safe manner, climbing techniques for gangways.

[9.3.3 \(B\)](#)

X

[9.3.4*](#)

Retrieve a vessel fire control plan and other specified documents from a cold zone on the vessel, given a vessel, an assignment, a vessel fire control plan and other documents, and any necessary equipment, so that the vessel fire control plan and documents are located and brought to the Incident Commander within the time specified by the AHJ.

[9.3.4](#)

X

(A) Requisite Knowledge.

Location(s) on the vessel where the vessel fire control plan and other documents, such as dangerous cargo manifests, trim and stability documents, cargo-loading manuals where applicable, and crew and passenger lists are stored; vessel compartmentalization and associated marking; primary and alternative routes to reach the location(s) where the vessel fire control plan and other documents are stored; understanding of response personnel utilization of the vessel fire control plan; location of the command post.

9.3.4 (A)	X		
(B) Requisite Skills. Boarding and negotiating or traveling through the vessel; recognition of the vessel fire control plan and other types of documents.			
9.3.4 (B)			X
9.4.1 Identify a specified location on a vessel, given a vessel fire control plan and an assignment, so that the assignment is completed and reported.			
9.4.1			X
(A) Requisite Knowledge. Vessel construction, including maritime terminology (e.g., bow, stern, port, starboard); unique hazards associated with various locations in a vessel; terminology and symbols used on a vessel fire control plan.			
9.4.1 (A)	X		
(B) Requisite Skills. Negotiating vessel ladders, decks, and corridors; operating vessel doors and hatches.			
9.4.1 (B)			X
9.4.2 Identify onboard vessel fixed fire suppression systems as a member of a team, given an incident, an assignment, standard operating procedures, and communications equipment, so that the system is activated or shut down when information is requested by the Incident Commander.			
9.4.2			X
(A) Requisite Knowledge. Types of fixed suppression systems found on vessels; appropriate times to activate fixed suppression systems on vessels; hazards associated with operating fixed suppression systems and agents.			
9.4.2 (A)	X		
(B) Requisite Skills.			

Recognizing fire suppression system controls; operating communications equipment located at the fire suppression system control room; understanding vital precautions to be taken as a fire team member after fire suppression systems have been activated.

9.4.2 (B)			X
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9.5.1
Establish connections for the water supply at an incident, given international shore connections, so that an uninterrupted supply of water is established and all hoses are connected and positioned according to procedures and in coordination with the ship's crew.

9.5.1			X
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(A) Requisite Knowledge.
International shore connection.

9.5.1 (A)	X		
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(B) Requisite Skills.
Ability to recognize and use an international shore connection.

9.5.1 (B)			X
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9.5.2
Protect an exposure on a vessel as a member of a team, given an assignment, an exposure, a water supply source, approved PPE, fire hose, nozzles, and equipment, so that the exposure is protected.

9.5.2			X
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(A) Requisite Knowledge.
Environment, vessel construction, and fire behavior aboard vessel.

9.5.2 (A)	X		
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(B) Requisite Skills.
Participating as part of a team to protect exposures, operating hand lines, and master streams.

9.5.2 (B)			X
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9.5.3

Access a fire compartment as a member of a team, given a vessel, an incident, and an assignment, so that vessel integrity is maintained, doors and hatches are opened, tools are used, barriers are removed, and the opening is made ready for entry.

[9.5.3](#)

X

(A) Requisite Knowledge.

Construction and normal operation of vessel doors and hatches; safety procedures for securing vessel doors and hatches to prevent them from closing behind firefighters; desired entry methods for various tactical operations, including ventilation, observation, dewatering, and agent application.

[9.5.3 \(A\)](#)

X

(B) Requisite Skills.

Identifying and operating vessel doors and hatches.

[9.5.3 \(B\)](#)

X

9.5.4

Collect and report vessel stability information, given a vessel, an incident, an assignment, measuring devices, and standard operating procedures, so that any current or potential hazards to stability are recognized and reported according to procedures.

[9.5.4](#)

X

(A) Requisite Knowledge.

Effect of tide, wakes/waves, currents, firefighting operations, vessel stability; procedures for reporting the information; vessel draft marking systems.

[9.5.4 \(A\)](#)

X

(B) Requisite Skills.

Visualizing the position of a vessel; using internal and external measuring devices or procedures.

[9.5.4 \(B\)](#)

X

9.6.1

Ventilate smoke from a vessel as a member of a team, given a vessel, an incident, an assignment, approved PPE, ventilation equipment, and standard operating procedures, so that equipment is positioned for ventilation, vessel integrity is maintained, a specified ventilation opening is created and left unobstructed, and ventilation barriers are removed.

9.6.1			X
(A) Requisite Knowledge.			
Construction principles of a vessel that affect ventilation operations; principles, advantages, limitations, and effects of horizontal, vertical, natural, and forced ventilation; safety considerations when venting a vessel; signs, causes, effects, and prevention of backdrafts; methods of heat transfer and principles of thermal layering on vessels; effects of vessel construction on fire behavior and heat transfer.			
9.6.1 (A)	X		
(B) Requisite Skills.			
Transporting, deploying, and operating ventilation equipment on a vessel.			
9.6.1 (B)			X
9.6.2			
Monitor fire conditions on a vessel as a member of a team, given a vessel, an assignment, an incident, approved PPE, a hose or safety line, a thermal imaging camera, and communications equipment, so that vessel integrity is maintained and changes to fire conditions are reported to the Incident Commander.			
9.6.2			X
(A) Requisite Knowledge.			
Fire behavior on vessels; procedures for operating a thermal imaging camera; safety procedures for operating in or near fire compartments on vessels.			
9.6.2 (A)	X		
(B) Requisite Skills.			
Negotiating vessel ladders, stairs, corridors, and decks; operating in high heat and vision-obscured areas utilizing a thermal imaging camera.			
9.6.2 (B)			X
9.6.3			
Remove water from a vessel as a member of a team, given a vessel containing water, an assignment, dewatering equipment, and approved PPE, so that hazards are identified, water is removed, and vessel stability is maintained.			
9.6.3			X

(A) Requisite Knowledge.

Safety precautions to be taken when working in water; hazards associated with water collecting in various areas of a vessel; hazards associated with water removal in a vessel.

[9.6.3 \(A\)](#)

X

(B) Requisite Skills.

Deploying and operating dewatering equipment.

[9.6.3 \(B\)](#)

X

[9.6.4*](#)

Attack a fire on a vessel as a member of a team, given a vessel, an incident, an assignment, an attack line, a secondary line, approved PPE, and tools and equipment, so that vessel integrity is maintained, attack line is deployed, access is gained to the fire compartment, effective water application practices are used, and fire is extinguished and overhauled.

[9.6.4](#)

X

(A) Requisite Knowledge.

Precautions to be followed when advancing hose lines to a fire on a vessel; principles of exposure protection; types of fuels found on a vessel; types and application of attack lines used on vessels; effective application of fire streams.

[9.6.4 \(A\)](#)

X

(B) Requisite Skills.

Advancing charged and uncharged hose lines up and down vessel ladders and stairs, through corridors, and across decks; operating fire streams; and advancing multiple hose lines for fire attack.

[9.6.4 \(B\)](#)

X

9.6.5

Conduct a search and rescue operation for a missing person on a vessel as a member of a team, given a vessel, an incident, an assignment, a vessel fire control plan or other documents, a person, approved PPE, forcible entry tools, and other equipment, so that areas where the person could be located are searched, the person is located and removed, and vessel integrity is maintained.

[9.6.5](#)

X

(A) Requisite Knowledge.

Psychological effects of operating in obscured-vision conditions; methods to determine if the area is tenable; primary and secondary search techniques; victim removal methods; likely locations of passengers, crew members, shipyard workers, and contractors; location and use of emergency escape breathing devices (EEBDs).

[9.6.5 \(A\)](#)

X

(B) Requisite Skills.

Using forcible entry tools; using self-contained breathing apparatus (SCBA); accessing remote or enclosed compartments; advancing charged and uncharged hose lines up and down vessel ladders and stairs, through corridors, and across decks; and removing victims.

[9.6.5 \(B\)](#)

X

9.6.6

Assist in deploying extinguishing agents other than water, given a vessel, an incident, an assignment, approved PPE, select extinguishing agents, and agent application equipment, so that the need is identified and communicated to the Incident Commander and agent is applied.

[9.6.6](#)

X

(A) Requisite Knowledge.

Appropriate extinguishing agents; effects of various extinguishing agents; hazards associated with various extinguishing agents, including onboard systems; sources of bulk extinguishing agents.

[9.6.6 \(A\)](#)

X

(B) Requisite Skills.

Reading cargo manifests and technical information on extinguishing agents, deploying and operating extinguishing equipment and agents.

[9.6.6 \(B\)](#)

X